

eyes
and
ears of

Walt  Disney World®

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PREPARED BY AND FOR THE EMPLOYEES OF WALT DISNEY WORLD

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Disney's Largest Department Includes a Trillion Employees

Nestled amidst pipes, ponds and gurgling machinery in the South Service Area is perhaps Walt Disney World's largest and smallest department rolled into one . . . our largest department because it employs somewhere over a trillion cast members, yet our smallest because with 12 exceptions, each is smaller than the point on a needle!

We're speaking of the **Wastewater Treatment Plant**, located several miles south of our Disney Car Care Center, end-of-the-line for all drainage and sewer pipes from Lake Buena Vista to the Magic Kingdom.

Plant Supervisor **Dick Eselby** explains . . . "An integral part of our wastewater treatment program here is the use of trillions of aerobes to 'eat' raw sewage. These aerobes are like little people . . . they need oxygen, food and a house to live in. Our job is to supply them with each."

We found Dick's comparison so interesting, we had to investigate further.

The Wastewater Treatment Plant is operated by the Reedy Creek Utilities Company, Inc. for all of Walt Disney World. It is an advanced wastewater treatment facility designed to handle up to 3.3 million gallons of effluent per day. We say "advanced" treatment plant, because it utilizes such advanced methods to recycle wastewater as a tree farm, percolation ponds, and overland flow.

And just recently, our Wastewater Treatment Plant reached a milestone in the wastewater treatment industry . . . **zero discharge** into any river or stream, a highly unusual claim for any treatment facility.



Dick Eselby at a primary sedimentation tank.



The tanker truck "Big Wheels" spreads sludge in the Tree Farm area daily. The oversized wheels keep the truck from sinking in the soft, sandy soil at the Tree Farm.



Part of the 12-man crew at the Wastewater Treatment Plant. They operate the facility seven-days-a-week around the clock, taking in up to 3.3 million gallons of effluent a day!

We began our tour in Dick's office, where he explained that the effluent from the Magic Kingdom, our resorts and Lake Buena Vista is pumped through huge underground pipes to the Wastewater Treatment Plant.

We left Dick's office for a close-up view of the Plant's operation. Dick pointed out that the wastewater first enters a "grit chamber" where all heavier-than-water inorganic materials are removed. Powerful streams of air bubbles are shot through the liquid, keeping the lighter-than-water particles in suspension. The heavy materials like sand, plastic and the like are swept across the grit chamber's floor and removed.

The effluent moves on into the next chamber, the "primary sedimentation tanks." Here, cooking grease is scraped from the surface and heavy organic materials are allowed to settle on the bottom. Paddles then sweep these heavy particles out and they are pumped to an "aerobic digester," where micro organisms "eat" the solids and form a by-product known as "sludge." After approximately 20-days in the aerobic digester, the sludge is pumped into a large tanker truck known as "Big Wheels" and carried to our **Tree Farm**, where it is sprayed as fertilizer.

Back at the primary sedimentation tanks, once the heavy organic materials and grease have been removed, the wastewater with its lighter-than-water particles and bacteria flows to "aeration tanks."

In these huge aeration tanks, the effluent is mixed with "activated sludge"

and powerful jets of bubbling air. And it's at this point that Dick's trillion little employees punch "in" on their time clock.

"The activated sludge is composed of aerobic bacteria and protozoa which oxidize . . . or eat . . . the organic matter, turning it into carbon dioxide and water. And just like little people, the aerobes require oxygen, food and a house to live in."

The crew at the Wastewater Treatment Plant supply all three elements . . . jet streams of air for **oxygen**, four-meals-a-day of effluent with its suspended organic matter to **eat**, and the huge concrete tanks for a **house**. What more could an aerobe want out of life?

"Like humans," Dick continued, "Each element has to be carefully balanced. If you over-feed, under-feed, over-oxidize, or under-oxidize, the aerobes will become sick and quit working."

Before long, the aerobes and protozoa form "clumps" which become heavier-than-water. But they are kept in suspension by the jet streams of bubbling air in the aeration tanks.

Then it's time to move on. The effluent with its clumps is pumped to "final settling tanks," where the clumps drop to the bottom in the motionless water and are swept out. These clumps of **activated sludge**, with their trillions of little aerobes, are pumped back to the head of the aeration tanks to begin their work all over again on a continuous basis.

The now clear liquid leaves the final settling tanks and is pumped to the

"chlorine contact tank" where it is chemically treated with chlorine to remove any pathogenic . . . or disease producing bacteria . . . which may be left.

HALF DOWN, HALF TO GO

The clear liquid leaving the chlorine contact tank is only half-way home. It is now returned to its natural eco-system by one of three methods.

One-million gallons per day are pumped to our **Tree Farm** for spray irrigation. As the water percolates down, the root systems of the Eucalyptus trees remove the nutrients such as phosphorus and nitrogen.

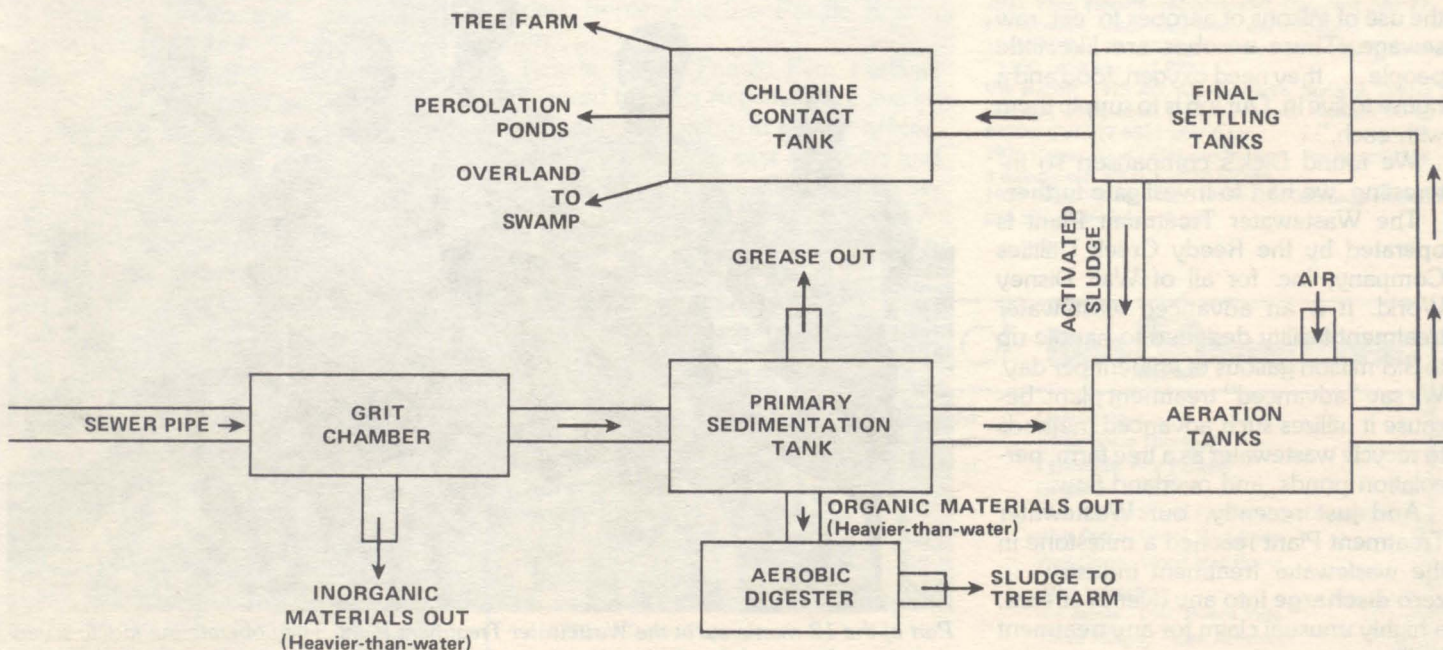
Another million gallons per day are pumped to huge **percolation ponds** with porous bottoms, allowing the water to slowly flow back into the water table.

The final million gallons per day, during peak flow, is discharged into a vast **swamp** behind the Wastewater Treatment Plant, allowing the swamp vegetation to absorb the nutrients.

The end result, is that there is no pipe discharging the water into any river or stream such as Reedy Creek which flows through our property.

RIVERS KILL THEMSELVES

Most other wastewater treatment plants remove the harmful bacteria, but discharge the water into a local river or stream. This water is super-charged with nutrients like phosphorous and nitrogen, which fertilizes vegetation in the stream



making them grow until they choke the stream to death and kill all of the marine life. And just downstream is usually an intake pipe for a municipal water supply system.

Under our operation, we let mother nature remove the nutrients while we remove the bacteria and inorganic materials, then we let the water re-enter the water table just as naturally as rain does.

Incidentally, Walt Disney World gets its drinking water from far below the percolating "treated" water. It's pumped up from an average depth of 800-feet, Dick told us.

A leader in the field of wastewater treatment, our plant turns out a high quality of pollution-free water. Coming out of the chlorine contact tank, the liquid is 90% clean, with only the nutrients left in. After coming out of our percolation systems (Tree Farm, percolation ponds and overland swamp discharge), the water is over 99% pollution-free . . . as close to rain water as can be made. This is in comparison to other wastewater treatment plants which produce water which goes right back into municipal drinking systems at 90% pollution-free.

"If the thought of drinking recycled water makes you squeamish, just remember that we've been using the same water forever. Here we are just speeding it up, accelerating the whole process," Dick ended with.



CONTINUING EDUCATION

This Fall you can go to college right here at Walt Disney World! The Disney University is providing you the opportunity to further your education, to help yourself reach career goals. The following classes are being offered through **Valencia Community College:**

- Business Communications - Mondays, 6 - 9 pm
- Introduction to Business - Tuesdays, 6 - 9 pm
- Principles of Accounting I - Wednesdays, 6 - 9 pm

In addition, **Rollins College** will be offering this course:

- Principles of Marketing - Mondays, 6 - 9 pm

Enrollment is now underway for these classes and others being offered. For additional information, please contact the Disney University at extension 4744.



Last week, four cast members in the Finance Division passed their Certified Public Accountant (CPA) examination. Pictured here being congratulated by Finance Director **Chuck Luthin** (far left) and Finance Vice President **Carl Bongirno** (far right) are (1-r) **Al Weiss**, **Craig Lee** and **Rod Richardson**, all accountants in the Financial Statements Department, and **Mike Wilkinson**, Supervisor of Financial Statements Department. Congratulations to all for their achievement.

FROM KAYAKS TO CANOES

What makes a championship team in any sport? The team members, of course; but also just as important are the coach and team captain.

In putting together this year's championship **Facilities Mixed** team in our **Canoe Races of the World**, we found all three rolled into one. . . **Rob Mitchell** of Industrial Engineering. Rob is one cast member especially well equipped to act as paddler, coach and captain for a championship team. . . he is three-times United States Single Kayak Champion and was the sole representative of the United States in Single Kayak during the 1972 Summer Olympics in Munich, Germany.

After hearing of his achievements, we approached Rob for an interview. We couldn't believe Rob had worked here two years and his notoriety hadn't spread across the parking lot from the

Casting Building to The Center.

"Is it true. . . three times national champ and Olympic contender?"

"Well, it was a couple of years ago, but I was National Champion in 1972, 1973 and 1974," Rob modestly explained.

We found that Rob grew up in Alabama before attending Culver Military Academy in Indiana, a school with a collegiate kayak team. Rob took an instant liking to the long, thin, ultra light one-man boats, and joined the team. After winning numerous local and state competitions, Rob went to the United States Nationals and won! That happened to be the same year as the Munich Summer Olympics, which limits each country to only one athlete in the Single Kayak competition, so Rob was chosen.

Did he pick up a medal in Munich? No, the European kayakers were stiff competition with Russia taking the gold, but



Does it bother him kayaking through ski boat wakes in the afternoons? "I've gotten used to it, but sometimes it's a little hard to see me. . . I've had a few speed by a little closer than I like." We suggested, half jokingly, that he attach a tall rod with a red flag on the end like many bicyclers are doing. "I might just look into that," he replied.

The final payment for the upcoming California '77 trip, sponsored by Cast Activities, is due into their offices by September 1st. There are still seats available... call them at extension 4254 for more information.



LETTERS

The Harmon Family

Mae Smith
Contemporary Resort
PBX

The EYES & EARS learned that former Entertainment Division cast member **Martha Burton** was recently in an automobile accident and will be confined to a hospital for several weeks yet. She is fine, but anyone wishing to drop a note should send it to room 537 at St. Mary's Hospital, Richmond, Virginia.

Since the **Mad Hatter's Ball** is a hard ticket event, Main Gate Passes and complimentary tickets **will not** be honored.

Specially priced **employee tickets** are available **NOW** for just **\$6.50** per person per night **in advance**, at Fantasyland Cash Control, Cast Activities, and the Village Cash Control. Tickets will also be **\$8.95** per person per night **Gate Sale** . . . if available!



William Bell gained popularity on the charts this year with his hit "Tryin' To Love Two."



Recently appearing on their own television special, the **Starland Vocal Band** topped the national charts earlier this year with their "Afternoon Delight."



The **Spinners**, a popular show group throughout the country, will be presenting their dynamic repertoire that includes "Then Came You," "It's A Shame", and "I'll Be Around."



DISCOUNTS

• **Total Automotive** at 5242 South Orange Avenue in Orlando and 2209 North Main Street in Kissimmee is offering Disney cast members the following discounts at both locations:

* **10% off** dealer cost of auto parts (does not include dealer parts, i.e. G.M., Ford parts etc.)

* **10% discount** on parts and labor on any work done in their shops

In addition, **Total Automotive Wrecker Service** offers the following special rates:

* From WDW to Orlando shop-\$30

* From WDW to any Orlando dealer-\$35

* From WDW to Kissimmee shop-\$20

* From WDW to any Kissimmee shop-\$25

• **The Village Cinema 'n Draft-house**, located in the Turkey Lake Shopping Center off Kirkman Road, is offering Disney cast members a **\$5 pass** good for free admission Monday through Thursday. Good through December of 1977.



CLUB INFORMATION

DIVE CLUB NOTES

At the last meeting of the **Dive Club**, their **1978 officers** were elected. The new "head" divers are:

President - **Roger Schrank**

Vice President/Activity Coordinator - **Shirley Cucuel**

Treasurer - **Sharon Morton**

Secretary - **Lorna Fink**

Publicity Director - **Debbie Finch**

Within the past few weeks, Dive Club members have been participating on trips to Mantanilla Shoals in the bahamas and Knight's Key in the Florida Keys. Divers report great water conditions and some "super" diving!

The Dive Club meets every 2nd and 4th Tuesday of the month at 7:30 pm at **Rossi's Pizza**, corner of South Orange Blossom Trail and Oak Ridge Road. New members are welcome, just drop in on a meeting.



SPORTS

SINGLES TENNIS TOURNNEY SET

If you are 35-years-old or older, then you are eligible to play in Cast Activities next tennis tournament. For more information and sign-ups in the singles tournament, call Cast Activities at extension 4254.

FALL VOLLEYBALL BEGINNING SOON

Our **Fall Volleyball Leagues** are beginning soon, and all players and especially the team captains are invited to attend an organizational meeting on **Tuesday, September 6**, at 5:30 pm in the Cast Activities Lounge. Volleyball Clinics will be held the following Monday and Tuesday evenings with seasonal play set to begin September 19.

SUMMER BASKETBALL CLOSING

Regular seasonal play in our **Summer Basketball Leagues** ended last week with the following scores: Borden's 62, World Showcase 61; Employee Transportation 104, Town Square 38; Custodial Rangers 58, Super Subs 46; Central Foods 74, Liberty Square 66; Contemporary Housekeeping 89, Fantasyland Operations 67; and the Hustlers 1, Finance 0 in a forfeited game.

The league standings at the end of the season are: Contemporary Housekeeping 9-0, Employee Transportation 8-1, the Hustlers 8-1, Central Foods 6-3, Liberty square 6-3, Custodial Rangers 5-3, Borden's 4-5, world Showcase 3-5, Fantasyland Operations 2-7, Town Square 1-8, Super Subs 1-8, and Finance 0-9. At this writing, the top four teams are vying against one another in the tournament for the championship trophy at the Pine Hills Boy's Club . . . results coming up next week!

BOWLING LEAGUES DRAWING NEAR

Attention all bowlers . . . Walt Disney World's highly popular **Winter Bowling Leagues** will get under way September 7 in Orlando and Kissimmee! The first organizational meeting for all leagues will be **Wednesday, August 31**, except the

midnight league at Kissimmee Lanes which will meet **Thursday, September 8**, at 1 am. Each league will meet at the location and time they bowl for the organizational meeting. These are:

• **Kissimmee Lanes** (Highway 192 north of Kissimmee at city limits)

Wednesdays - 9:30 am

6:30 pm

9:00 pm

Thursdays - 1:30 am

• **Parkwood Lanes** (West Colonial Drive in Orlando)

Wednesdays - 6:30 pm

Sign-ups for these leagues will be on a first come, first served basis. Call Cast Activities at extension 4254, leaving your name, work location, work extension, and home telephone number. Please indicate your preferred time and place so that the league secretary may contact you.

The leagues are filling up fast, and bowlers of all levels are participating. The leagues are open to all cast members and their adult dependants or guests.

The Winter Bowling Leagues will play through May of 1978.

SUMMER SOFTBALL TOURNAMENTS

In our **Summer Softball "A" League**, the Fubars (always a bridesmaid but never a bride) changed all of that with a resounding 17-8 second victory over the Salmonella team that had come back through the loser's bracket, by beating Pinocchios in a close 5-2 game. The Fubars were behind in the early innings, but scored runs in clusters to finish the summer season undefeated!

In the **Summer Softball "AA" League**, first round scores here had Theme Park Maintenance bombing the Contemporary by a 29-9 final with the Theme Parkers hitting no less than 10 home runs! In other contests, a quick Borden's paired powerful batting and slick fielding for a 12-8 win over Employee Relations. The following evening saw Borden's run a quick lead over Theme Park Maintenance . . . but timely hits by the Maintenance team and fielding errors by Borden's soon led to another theme Park win, this time 15-7.

Meanwhile, in a glove-tight affair, Contemporary broke out of a 1-1 tie in the 5th inning and scored three runs to hold off an Employee Relations rally to win 4-3, thus eliminating Employee relations. Contemporary continued their comeback the next night with a resounding 9-0 victory over Borden's to "ice-cream" the team! Final tournament results next week.



LITTLE LAKE BRYAN

PARENT/CHILD DAY THIS WEEKEND

This Sunday will be a special day at **Little Lake Bryan**, as the staff presents **Parent/Child Day**. Events planned for parents and their children to participate in together include:

- **Fishing Contest**
- **Canoe Race** (ages 5-7, 8-9, 10-12)
- **Balloon Toss**
- **Inner-tube Swim Race** (ages 5-7, 8-9, 10-12)

All of the contests will involve **both** the parent and the child playing as a team. Ribbons will be awarded for 1st, 2nd and 3rd place in all contests and categories. The fun begins at 11 am, the awards at 2 pm.

Be sure to pack a picnic lunch, bring the whole family . . . and don't forget your camera! Regular Little Lake Bryan activities, including sailing, fishing, paddleboating, volleyball and horseshoes will be on hand.

LABOR DAY AT LLB

Our traditional end-of-the-summer **Labor Day Picnic** at Little Lake Bryan is all set for September 5th from 11 am to 7 pm. Pioneer Hall's Food & Beverage crew will be on hand again, serving their fine quarter-pound hot dogs, soft drinks and ice cream at reduced prices, with sign-ups for the door prize drawing from 11 am to 4 pm. Just show your Disney ID or Main Gate Pass to sign up, and you need not be present to win.

All regular activities will be available at the Lake plus special Labor Day Picnic events like the Balloon Throw, sack races for the kids, Men's and women's singles Horse-shoe Championship, the 2nd annual Bocce Ball Shot-Put, and prizes for all.

Labor Day also marks the end of Little Lake Bryan's seven-day-a-week operation. They will now be open Saturdays and Sundays only, from 11 am to 5 pm.

BASIC RESCUE AND WATER SAFETY

Cast Activities will be sponsoring a course in **Basic Rescue and Water Safety** at Little Lake Bryan on five consecutive Saturdays, from 9 am to 11 am, September 10 through October 8.

The class size will be limited to 20 people, with a minimum age of 11 to participate. The instructor will be **Jim Wood**, who also teaches in Cast Activities' Summer Employee Swimming Classes. The cost is \$5 per person, which includes text book and all materials. Call Cast Activities now to sign up.

Normal activities at Little Lake Bryan will begin at the end of class, 11 am. The class participants will be offered free sailing after class each Saturday.



The next feature at our **Family Film Festival** will be *Bedknobs and Broomsticks*. The show times are:

Thursday, September 1 - Pacific Room, 7 pm

Friday, September 2 - Pacific Room, 7 pm

Saturday, September 3 - Pacific Room, 1 pm

Sunday, September 4 - Pacific Room, 7 pm

Monday, September 5 - Pacific Room, 7 pm

Tuesday, September 6 - Pacific Room, 7 pm

Friday, September 9 - Pacific Room, 7 pm

Tickets to our Family Film Festival, sponsored by Cast Activities, are available simply by stopping in at their offices. Tickets are **free** to all cast members and their immediate families, and will be available beginning Saturday, August 27.



CLASSIFIED ADS

Antique. Solid Mahogany Victorian style double bed, with box springs and mattress. \$300. Call 857-1799.

Bar with 2 stools, padded black vinyl \$75 or make offer. 275-5712.

Alaskan Malamute. Female, 5 mon. old, AKC Registered, Needs room to run, \$200. Call Sharon 656-2419 after 4:30 p.m.

16 ft. Boat. (1970) Seabreeze - Sea Jeep) with 70 h.p. Chrysler (1971) model) and trailer. Engine good, boat needs navigation lights, trailer needs paint, excellent fishing or ski boat. \$600, firm. Call Paul at 275-0432.

Babysitting. Days, my home Bumby - Michigan area. Call 898-5410.

Portable Leslie Speaker/Cabinet vinyl, rotary Model 18, Casters & cover, excellent condition, low price \$230. Use w/guitar or organ. Call Phil 678-3121

Ski Boat. Glassmaster 17'5" - '76 in warranty, Deep V - Trailer, 175 DMC-1 0 862-7209. Beautiful Fuy.

Carpet. New, Commercial grade, approx. 10 1/2' x 25', Orange-green-gold tweed. Asking \$120, which is about \$4 per sq yd. Call 277-7728.

Pay and Ride Carpool. Meet in Conway area, Day shift, 7:00 - 3:30 Mon-Fri. \$700/week. Several openings available. Call 277-7728.

Baby accessories. Portacrib, \$30; G.M. Car seat, \$15; Playpen, \$25; 3 in 1 carriage, \$25; Phone 275-8601 after 7 p.m.

Dark Room Equipment: All you need for B/W developing (except timer) including barely used Omega B-66 Enlarger. The works for \$250. Call for details after 6:30 p.m. 647-4345.

73 Olds cutlass Supreme. PS, PB, Power Seat, AM-FM, Metallic blue w/white vinyl top & white interior, Beautiful Auto, Must see to appreciate. \$600 down and take over payments of \$96 per month or \$2450 cash. Call 894-3514 after 6 p.m. anytime weekends.

1975 Dodge Van. AC, AM-FM, Radial tires, 13,000 miles, excellent condition. Call 876-3102 after 6 p.m.

1975 Yamaha 250 Enduro. New sprocket & chain, two helmets, luggage rack & cover included. \$550. Call 855-1645.

1967 Plymouth Valiant. \$250. Call 273-3789.

1974 Sportster. Fully chopped, must sell, Make offer. 299-7994.

1972 Camaro. VI-Automatic, PS, PB, Air Conditioning, Call Janeen or Steve at 656-2534 after 5 pm.

1970 Triumph Spitfire. MK III, New top, carpeting, very clean, 1300 or best offer, Move forces sale. Call 277-8028 mornings.

1971 Vega Hatchback. Stick shift, inspected July 77, Good motor, needs body work, call 671-2508.

1969 VW Bug. Rebuilt engine, body rough, AM-FM Radio - \$500 - Call Pat 647-8222.

VW Rabbit, 1975 AC, AM-FM Radio, Sunroof, Deluxe package, Pirelli tires, excellent shape, excellent MPG, \$3300. Call 277-8351 after 6 pm.

1976 Kawasaki, KZ 400. Electric start, very low mileage, 3 months old. \$900. Call 857-2286.

1976 Vega. PS, Air, Auto, Tilt wheel, Assume payments. Call 855-9336 before 4 pm.

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EYES & EARS

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